

## WATER CONTAMINANT INDICATORS

### ABSTRACT OF THE DISCLOSURE

A filtering device for a gravity-flow liquid treatment system includes a first filter component that can be either exposed or adjacent to a substantially transparent region in at least a portion of a filter housing. The first filter component is capable of providing a visual indication of exposure to at least one contaminant. The contaminants for which the first filter component can indicate exposure include particles, inorganic, and organic contamination. Particle contamination is indicated by a change in color of the first filter component through particle collection. Inorganic and organic contaminants are indicated by reaction with at least one agent capable of undergoing a color-change reaction in response to at least one contaminant. Water treatment systems and filtration devices that include at least one agent capable of undergoing a color-change reaction and thus give a visual indication of exposure to at least one contaminant for use in both gravity-driven and pressure-driven environments are also described.